FLEXURAL STRENGTH COMPARISON OF MONOLAYER RESIN COMPOSITE TO BILAYER RESIN/ LINER COMPOSITE

by

Mai Azzam

Submitted to the Graduate Faculty of the School of Dentistry in partial fulfillment of the requirements for the degree of Master of Science in Dentistry, Indiana University School of Dentistry, 2009.

Thesis accepted by the faculty of the Department of Restorative Dentistry, Indiana University School of Dentistry, in partial fulfillment of the requirements for the degree of Master of Science in Dentistry.

_____

Joseph Legan

_____

Carl Andres

_____

David Brown

_____

Burak Taskonak

_____

Jeffrey A. Platt
Chair of the Research Committee

_____

John Levon
Program Director

Date _____

ACKNOWLEDGMENTS

It is a pleasure to acknowledge the advice and assistance of people who helped me during my study.

First, I would like to offer my sincere and warm appreciation to my supervisor, Dr. Platt, for giving me the idea for my project, and who patiently read and corrected my manuscript as he guided me through the preparation of this thesis.

I would like to thank Dr. Taskonak for all his help in analyzing the data and for supporting me. Special thanks to my professor, Dr. Andres, for all his help and encouragement. Also, I am very appreciative of Dr. Richard J. Mitchell for his help in reviewing the thesis.

I am grateful to my friend Barbara Jarjoura, who helped me during my stay in Indianapolis by giving moral support and encouragement.

On a more personal note, I am deeply indebted to my husband, Abdallah, for helping me to reach this stage, despite his heavy preparation for exams. Also, my thanks to my lovely daughters, Sara, Layla, and Ayah, who coped with my desire to undertake completion of this thesis.

To my father, brothers, and sisters, thank you for all the encouragement and support “across the miles.”

Lastly, I thank my mother, who passed away during my study, but her spirit is here, pushing and supporting me.

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS